

**ABSTRACT**

[0035] A device for moving a tire assembly about a floor surface and mounting the tire assembly to a vehicle, the device includes a platform configured for moving about the floor surface, a pneumatic source for providing a layer of air between the platform and the floor surface beneath said platform, and a support mounted on the platform. The support defining a horizontally extending central axis and is configured to receive and support the tire assembly. An elevator is connected to the platform and the support, and is configured to raise and lower the support relative to said platform. The device is supported on the layer of air so that the platform is movable above the floor surface.